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16. Abstract  Phase II Preliminary Data Analysis for Project, Investigation of the Detection and Monitoring of Forest Insect Infestations in the Sierra Nevada Mountains of California includes the following: receipt of the first usable ERTS-1 imagery was on December 15, 1972; it was necessary to make a change in product orders from RBV to MSS due to the malfunctioning of the former; the MSS system is proving an acceptable substitute for the RBV; all ground truth acquisition has proceeded on the planned schedule; and there has been no major change in our original Data Analysis Plan, which was submitted with our original proposal.					
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Figure 2. Technical Report Standard Title Page

E73-10440)	INVESTIGATION OF THE	N73-20400
DETECTION AND MONITORING OF FOREST INSECT		
INFESTATIONS IN THE SIERRA NEVADA		
MOUNTAINS OF (Natural Resources Management		Unclas
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**An ERTS-1 Project  
INVESTIGATION OF THE DETECTION & MONITORING OF  
FOREST INSECT INFESTATIONS IN THE SIERRA NEVADA  
MOUNTAINS OF CALIFORNIA**

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(GSFC-ID-PR-516MMC #027, Contract #NAS5-21770  
Effective date 6-21-72)**

**February 15, 1973  
Phase II - Preliminary Data Analysis Report  
December 15, 1972 through February 15, 1973**

**Prepared for  
Goddard Space Flight Center  
Greenbelt, Maryland 20771**

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## INTRODUCTION

The report covers Phase II - Preliminary Data Analysis, for our Investigation of the Detection and Monitoring of Forest Insect Infestations in the Sierra Nevada Mountains of California, through the use of ERTS-1 imagery, Contract NAS5-21770, effective date of June 21, 1972.

## RECEIPT OF ERTS-I IMAGERY

Our first date of usable ERTS-1 imagery was our color IR positive transparencies received on December 15, 1972, from our amended Products Standing Order.

## CHANGE IN PRODUCT ORDERS

In our original proposal we requested the RBV camera system in bands 1, 2, and 3. Since this system malfunctioned shortly after launch, it was necessary to change our order to the MSS system, bands, 4, 5, 6, and 7.

## ACCEPTIBILITY OF THE MSS SYSTEM

Although we have no basis for comparison with RBV we feel that the MSS system will prove satisfactory for detecting insect infestations based upon our preliminary analysis of data.

Since this represented a retrospective order, the delay in the receipt of our ERTS-1 imagery was to be expected.

## GROUND TRUTH ACQUISITION

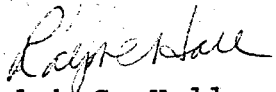
All of our ground truth called for in our original proposal has been acquired on schedule.

DATA ANALYSIS PLAN

There has been no major change in our original data analysis plan outlined in our original proposal, and except for delay in the receipt of ERTS-1 imagery, our program has proceeded on our planned schedule.

Respectfully submitted,

NATURAL RESOURCES MANAGEMENT CORP.

  
Ralph C. Hall  
Principal Investigator

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